

Case 01-01139-AMC Doc 13486-5 Filed 10/25/06 Page 14 of 60

Amarillo Chamber of Commerce – aka Bivins Bldg. 1000 South Polk Street

TEM DUST ANALYSIS M40633 015

Sample Areal Volume		es and Hi ouston an		llo				Clie	nt Sample li	o:		15
Str Sum: 4 Number of openings: 10 #2: 106 #4: 104 Total Area Analyzed: 0.109	ŧ	Filter Type: Pore size: Effective Filter Area: Sample type: Analysis type:		MCE 47mm 0.45 1297 Dust Dust	imm			Accele	Analyst: Scope Number: erating Voltage: Indicated Mag: Screen Mag:		Kevin Simpson 3 100 KV 25 KX 20 KX	
Str Square Str Square Str Square Square					- }							
1 C5-F5 C B 2.00 0.30 X M36332 2 C F 1.00 0.05 X X 3 C F 2.00 0.10 X X 4 C F 1.30 0.05 X X 5 C F 1.30 0.05 X X 6 C F 3.00 0.05 X X 7 C B 3.00 0.05 X X 8 F7 C F 1.60 0.10 X X 9 C F 2.00 0.10 X X 10 C F 1.00 0.05 X X 11 C B 1.00 0.05 X X 12 F9 C M-F 0.80 0.10	Volum	e Filtered	0.2 ml	Str /	=	=	2.814E+09				, F	
2	Str#	: SquareID:	Туре:	Structure:	Length	Width	Morph:	SAED:	EDS:	Photo:	Skete	h:
2	1	C5-F5	С	В	2.00	0.30	x	M36332		✓	-	l
3	2		C	F	1.00	0.05	x	x				
4	3		С	F	2.00	0.10	x	x				
5 C F 1.30 0.05 X X 6 C F 3.00 0.05 X X 7 C B 3.50 0.30 X X 8 F7 C F 1.60 0.10 X X 9 C F 2.00 0.10 X X 10 C F 1.00 0.05 X X 11 C B 1.00 0.20 12 F9 C M-F 0.80 0.10	4		c	F	1.30	0.05	x	x				
6 C F 3.00 0.05 X X X	5		c	F	1.30	0.05	x	x				
7 C B 3.50 0.30 X X 8 F7 C F 1.60 0.10 X X 9 C F 2.00 0.10 X X 10 C F 1.00 0.05 X X 11 C B 1.00 0.20 12 F9 C M-F 0.80 0.10 13 C M-F 3.00 0.05	6		c	F	3.00	0.05	x	x				
8 F7 C F 1.60 0.10 X X X	7		c	В	3.50	0.30	x	x	Z			
9 C F 2.00 0.10 X X 10 C F 1.00 0.05 X X 11 C B 1.00 0.20 12 F9 C M-F 0.80 0.10 13 C M-F 3.00 0.05	8	F 7	С	F	1.60	0.10	x	x	V			
10 C F 1.00 0.05 X X 11 C B 1.00 0.20 12 F9 C M-F 0.80 0.10 13 C M-F 3.00 0.05	9		c	F	2.00	0.10	x	x	Y			
11 C B 1.00 0.20 12 F9 C M-F 0.80 0.10 13 C M-F 3.00 0.05									₹.			
12 F9 C M-F 0.80 0.10 13 C M-F 3.00 0.05							A		Z			
13 C M-F 3.00 0.05										1" 1		
	-				0.80				O			
	13		С	M-F	3.00	0.05			Super social	<u> </u>	[

C - Chrysotile

NSD - No Structure Detected

TR - Tremolite

F - Fiber

CR - Crocidolite

B - Bundle

AN - Anthophyllite

M - Matrix

AC - Actinolite

Case 01-01139-AMC Doc 13486-5 Filed 10/25/06 Page 16 of 60

Str#:	SquareID:	Туре:	Structure:	Length	Width	Morph:	SAED:	EDS:	Photo:	Sketch:
14		С	F	2.20	0.10					
15		C	В	2.00	0.15					
16		c	F	2.00	0.05				L	
17	٠	С	M-B	0.70	0.20					
18	D6		F	0.80	0.10				\square	
19		c	F	5.50	0.10					
20		c	В	2.00	0.20	x	x			
21		c	В	7.00	0.20			7	:.1	
	TNP									1
22	D8	C	F	2.00	0.10				Ü	["
23		С	F	2.20	0.05					
24		C	F	0.80	0.10			Ш		
25		С	F	4.20	0.10					
26		€	F	1.00	0.10					
27		C	В	3.50	0.20					Till the second second
									==	
28	C1-J5	С	F	0.80	0.10				[1]	
29		C	F	1.80	0.10				<u> </u>	<u></u> !!
30		c	F	0.80	0.10	х	x			
31		С	В	2.00	0.20			Y	1	
32		С	В	1.00	0.20					
33		С	F	0.60	0.10					-
34		С	В	4.00	0.20			LJ	[]	T)
35		С	F	4.00	0.10					
		***************************************	**************************************				***************************************			

C - Chrysotile

NSD - No Structure Detected

TR - Tremolite

CR - Crocidolite

AN - Anthophyllite

F - Fiber B - Bundle M - Matrix

AC - Actinolite

_	Str#:	SquareID:	Туре:	Structure:	Length	Width	Morph:	SAED:	EDS:	Photo:	Sketch:
	36	Н5	С	В	6.00	0.20					
	37		c	F	1.80	0.10					
,	38		ϵ	F	0.80	0.10					
• .	20					0.40					
	39		С	M-F	3.80	0.10	X	х	V		
	40	F5	С	F	0.90	0.10				<u> </u>	<u></u>
	41		С	M-F	3.00	0.05					
	42	D 5	c	F	2.00	0.10					
	43		Ċ	В	3.50	0.30			Π		
						U.30				\Box	
	44		С	F	2.60	0.05					
	45		C	F	3.00	0.05					E3
***************************************	46		C	F	5.00	0.10					
***************************************	47		C	F	4.00	0.10				[]	
	40				0.60		•				E
	48		С	F	0.60	0.10					
	49	G3	С	F	3.00	0.05					
	50		C	F	2.70	0.10	x	x			
	51		C	В	3.00	0.13			V		· · · · · · · · · · · · · · · · · · ·
							•			1	
-											Ð
									1		
Tan product a land											
									L	M4063	3 0 15

C - Chrysotile

NSD - No Structure Detected

TR - Tremolite

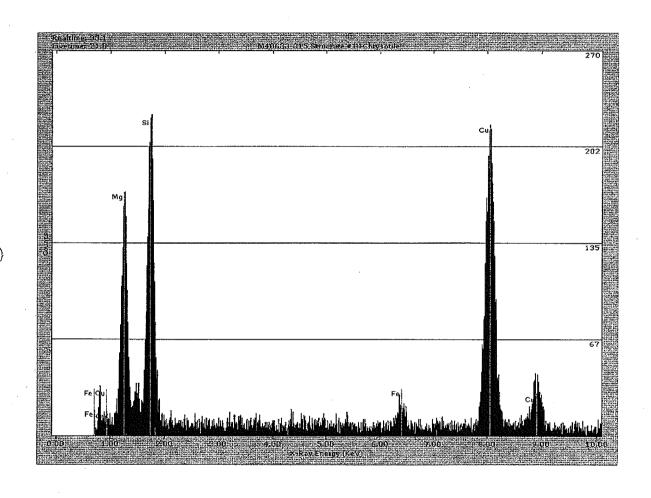
F - Fiber

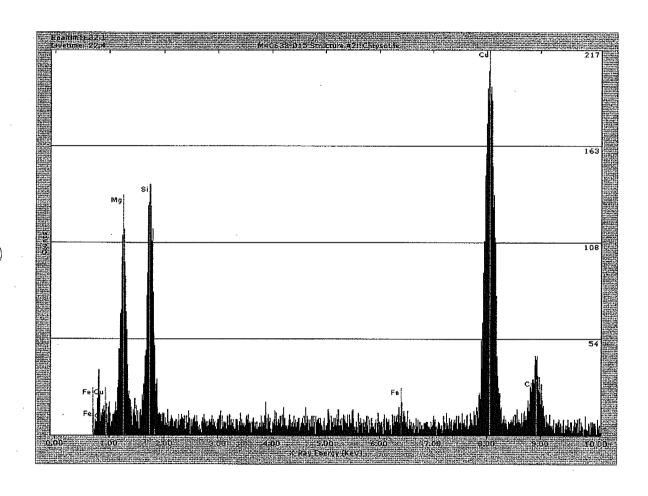
CR - Crocidolite

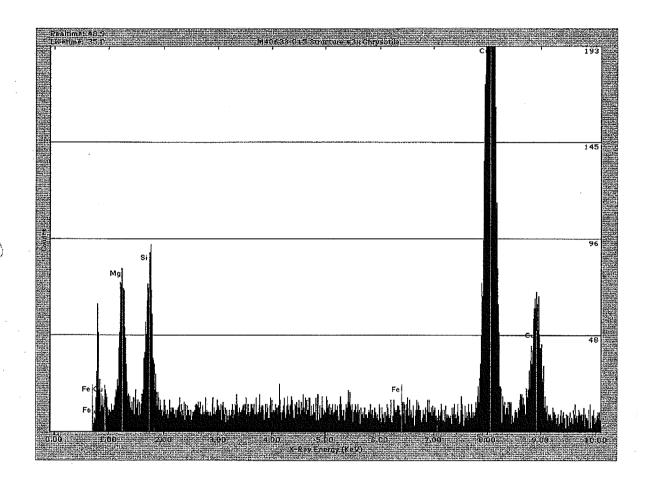
AN - Anthophyllite

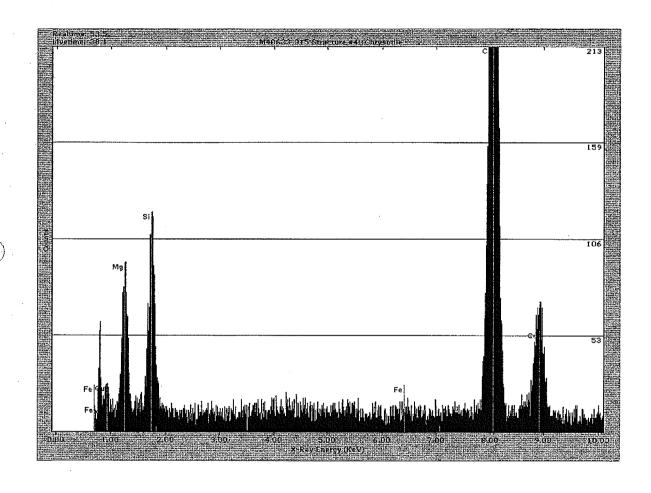
B - Bundle M - Matrix

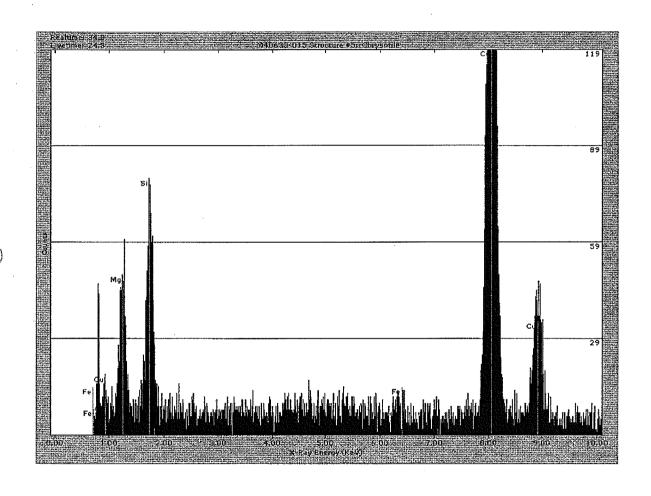
AC - Actinolite

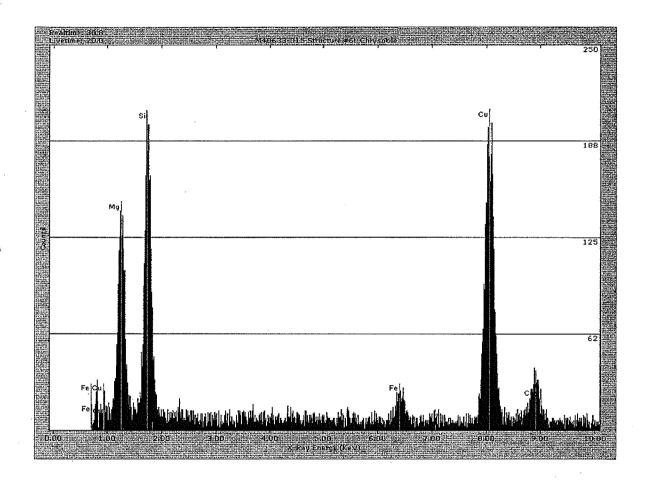


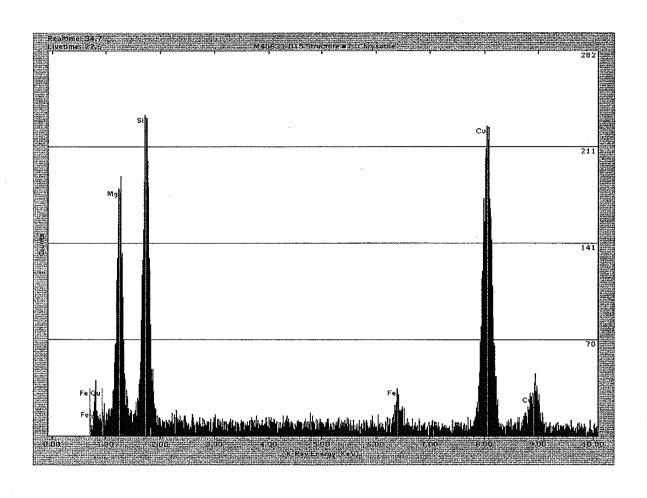


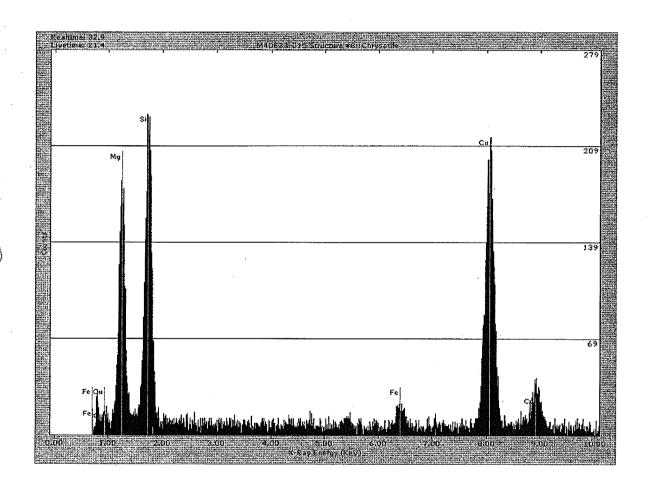


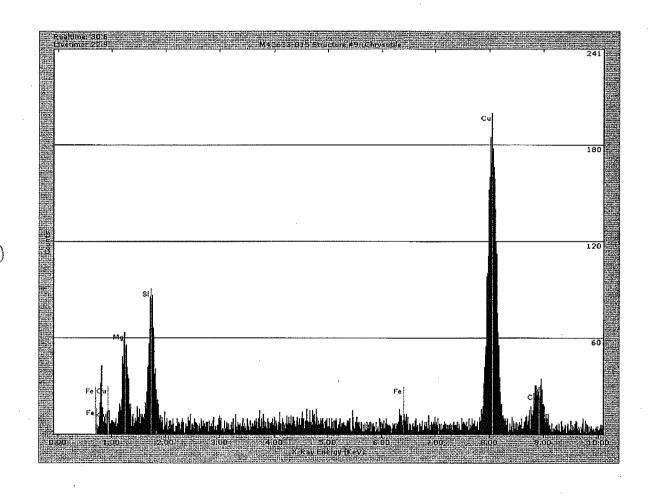


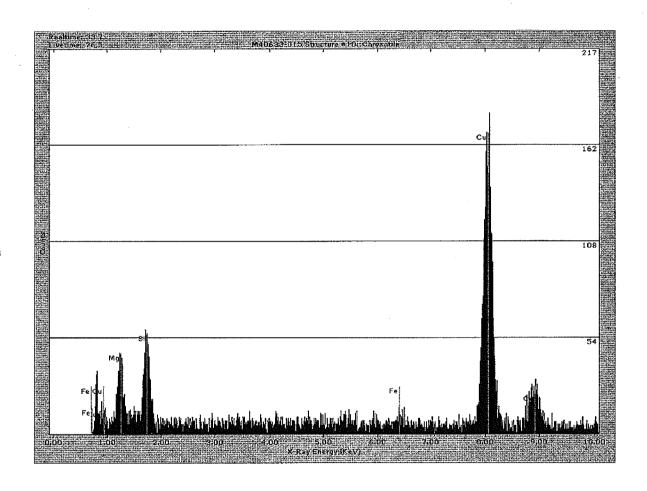


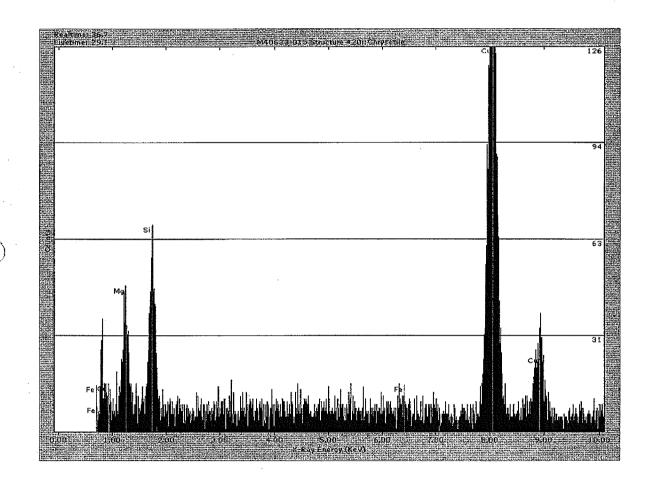


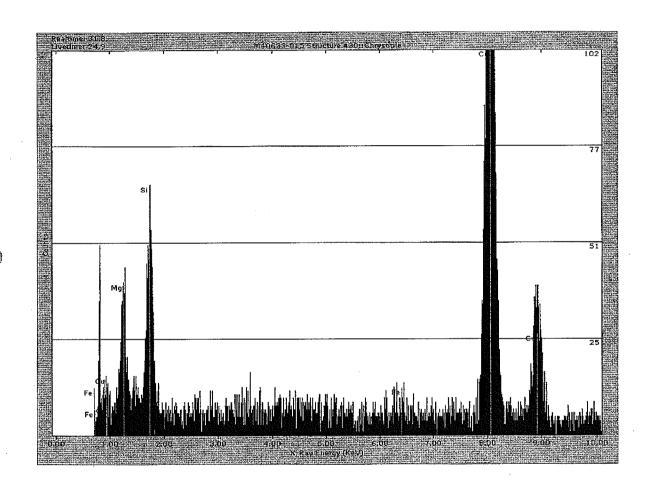


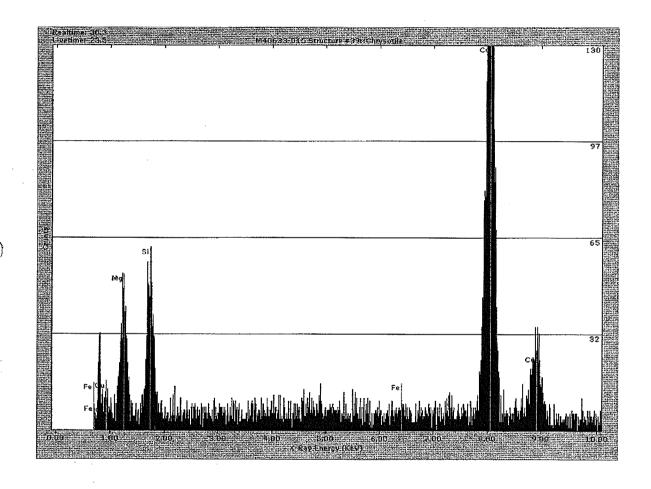


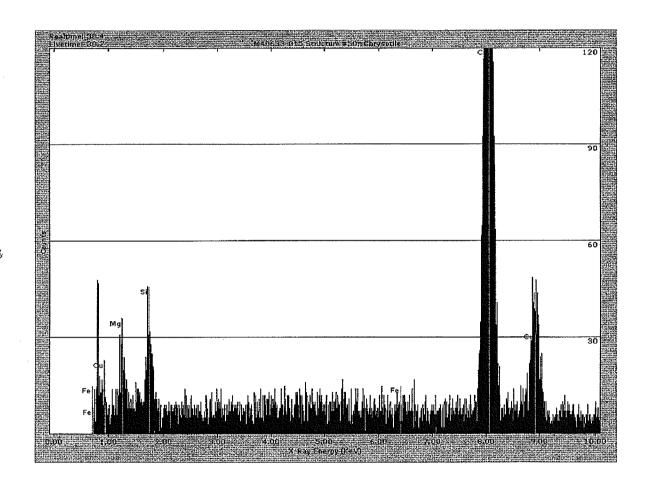


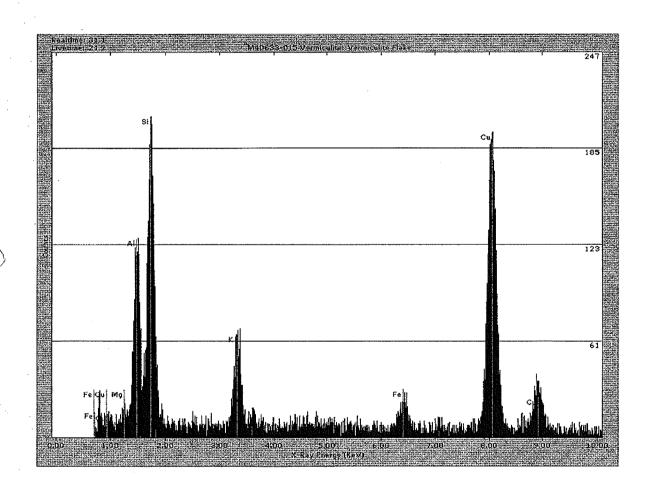












TEM DUST ANALYSIS M40633 016

		le, LLP d Amaril	llo				Clie	nt Sample	ID:	В	ivins 3	
Sample Area/ Volume: Filter Type: Pore size: Effective Filter Area: Sample type: Analysis type: Grid Acceptance			100 cm2 MCE 47mm 0.45 1297 Dust Dust Yes 2 %				Accele	Date Analy Ana Scope Nun erating Vol- Indicated Screen I Grid_	ilyst: nber: tage: Mag: Mag:		10/19/2006 Eevin Simpson 3 100 KV 25 KX 20 KX 7195	
Str < 5w Str ≥5w Total Str	n: 3			umber of grid er of opening			: <u>103</u> : <u>100</u>	Averag Total Arc		ı—		
Volume Fil		0.1 mi		Str / s	qr ft _	3.509E+09		Str / cr		m2 3.777E+06		
Dilution F	actor	1000	St	r / sqr ft	>=5	3.509E+08		Str / cr	n2 >	=5 3	.777E+0	
Str#: S	quarelD:	Type:	Structure:	Length	Width	Morph:	SAED:	EDS:	Photo:	Sketch:		
1	C2-D7	С	F	2.20	0.10	x	M36351	7 •	V			
2		С	F .	0.50	0.10	х	х	V				
3	D5	C	F	0.60	0.10	X	. X	2				
4		С	F	1.00	0.10	х	Х	V				
5		c c	F C-F	1.60	0.05	Х	х	V				
7		С	С- Р	16.00 1.40	8.00 0.10	x x	X X	. 💆				
	D3		NSD		0.10	A	^	V				
8	Di	C	F	9.00	0.10	x	х					
9		С	F	0.90	0.10	X	x	V				
10		C	В	1.00	0.30	x	х	Ø				
11		С	F	3.50	0.05			V				
	В3		NSD						:			
	•	Chrysotile		SD - No Struct					П			

M - Matrix

AN - Anthophyllite AC - Actinolite

Str#:	SquareID:	Туре:	Structure:	Length	Width	Morph:	SAED:	EDS:	Photo:	Sketch:	
	C3-C4										
12	D4	С	M-F	3.20	0.10						
13		C	C-F	1.50	0.70		÷				
14		C	F	0.80	0.10						
15		c	F ·	2.20	1.00						
16		С	F	1.00	0.10						
17		c	F	0.90	0.10						
18		C	C-F	10.00	2.00						
19	E4	C	В	2.00	0.20						
20		С	F	4.50	0.05	x	x	~			
21		С	F	2.40	0.10						
22		С	F	2.00	0.10						
23		C	F	4.10	0.10						
24		c ·	F	0.50	0.10						
25	F 4	С	F	0.60	0.10						
26	G4	С	F	4.00	0.10						
27		c	F	3.20	0.10						
28		C	F	0.50	0.10						
29		c	F	0.60	0.10						
30		c .	F	1.00	0.10	x	x	 ∑			
								:		33 016	

C - Chrysotile

NSD - No Structure Detected

TR - Tremolite

F - Fiber

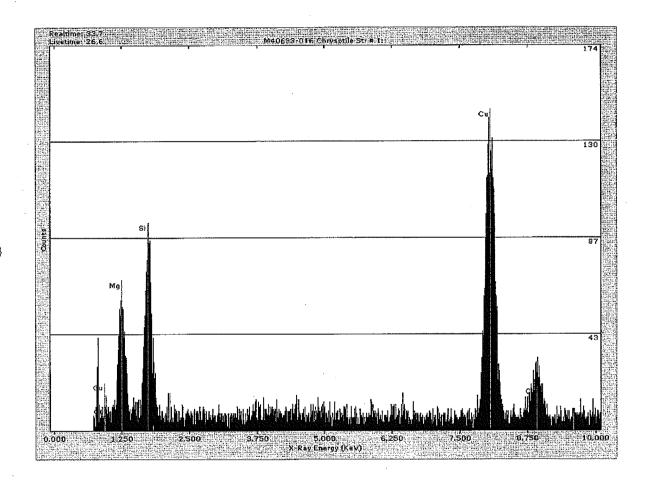
CR - Crocidolite

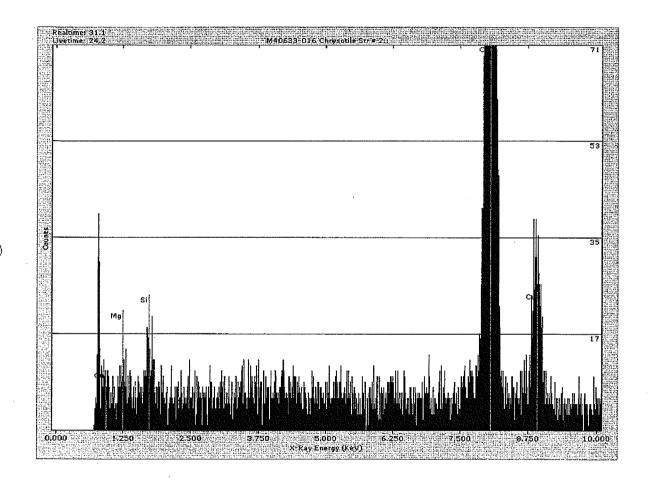
B - Bundle

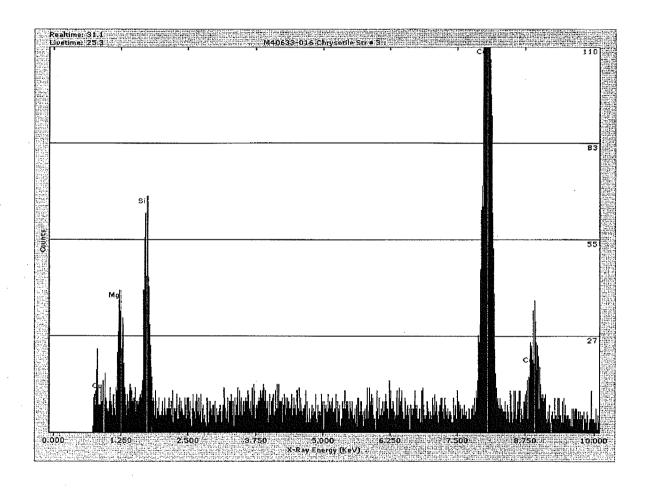
AN - Anthophyllite

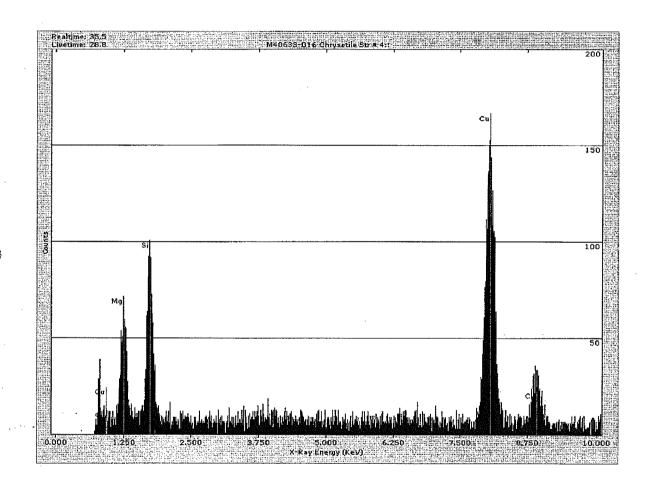
M - Matrix

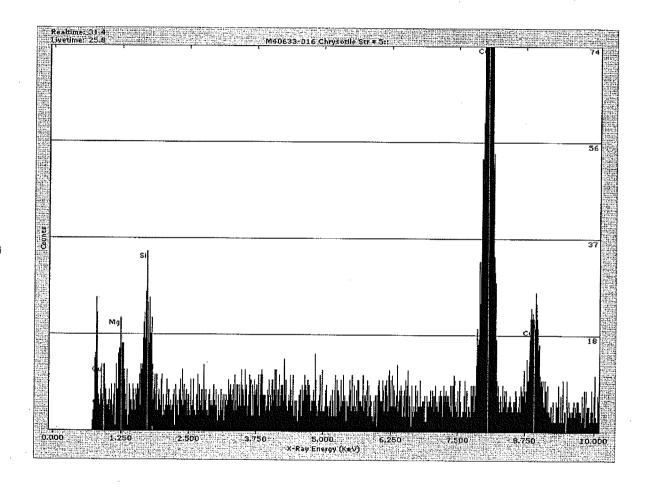
AC - Actinolite

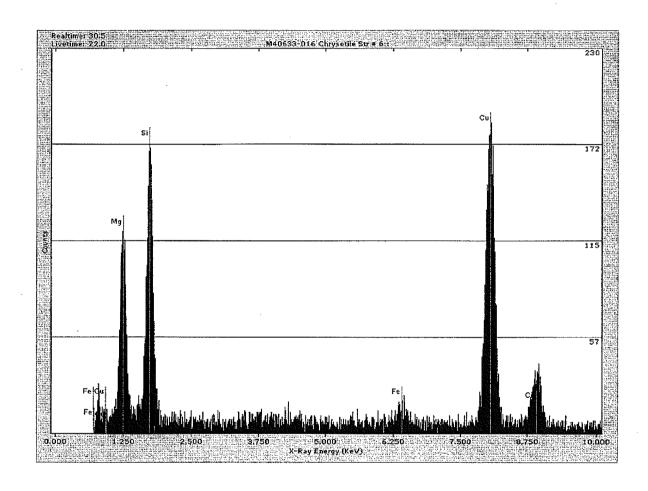


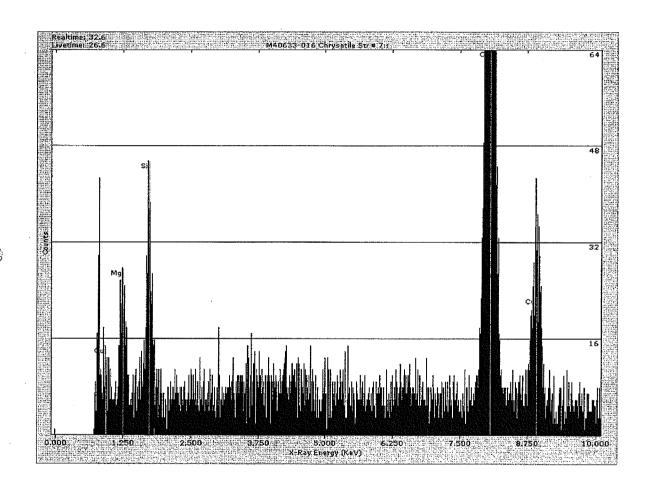


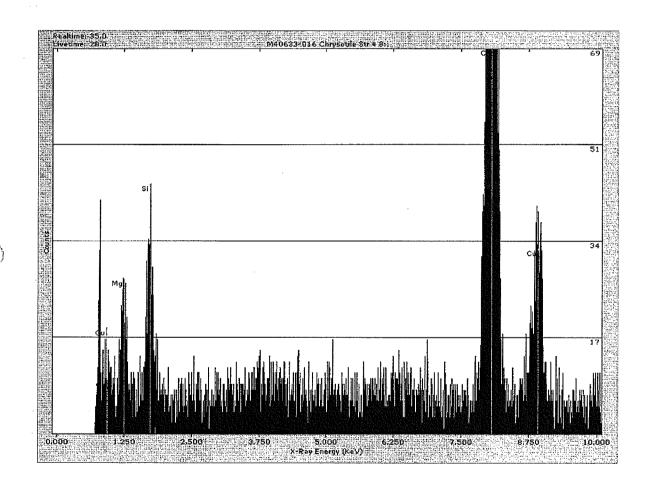


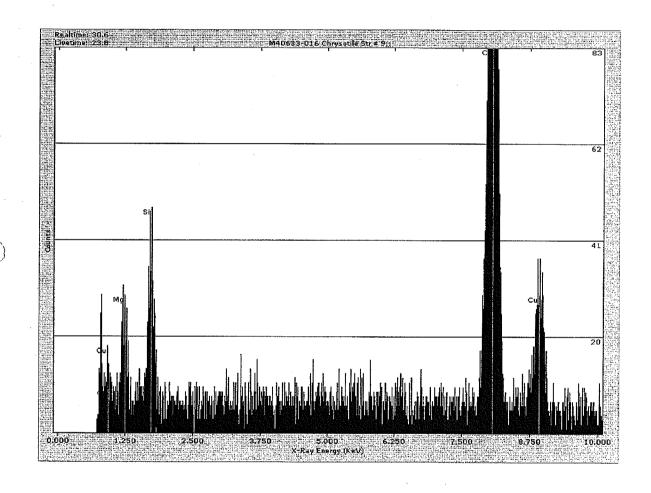


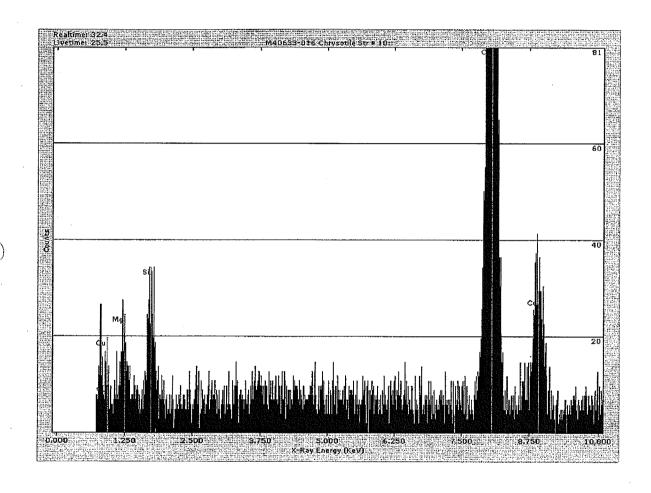


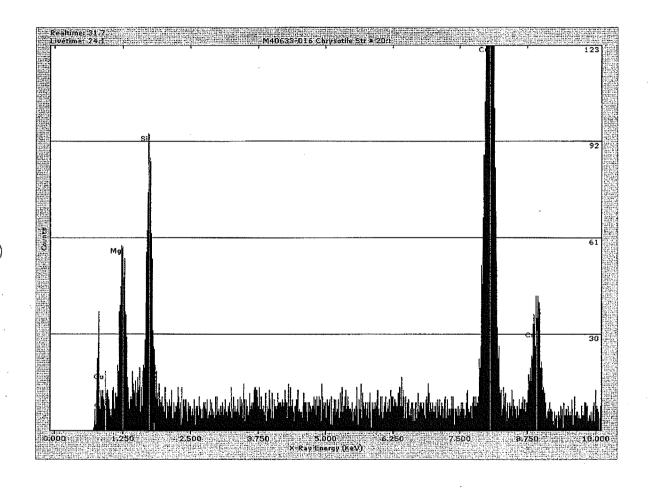


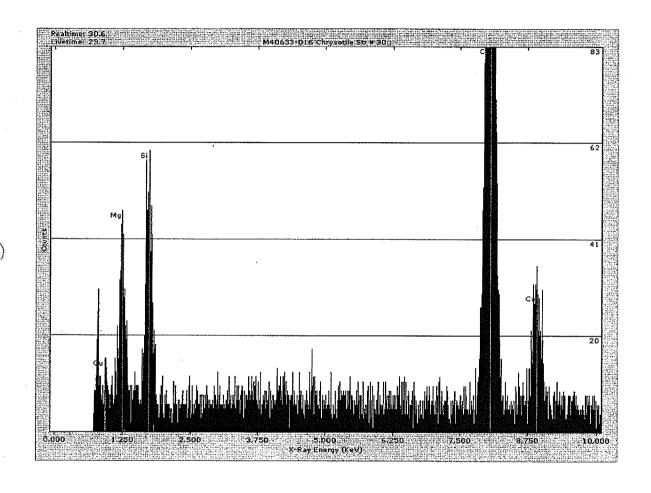












TEM DUST ANALYSIS M40633 017

									-		
Dies and Hile, LLP					Client	Sample	ID:	Biv	ins 4		
Houston and Amar	illo	llo						Bivins 4			
Sample Area/ Volume: Filter Type:	MCE 47mm					Pate Analyzed: Analyst:		10/23/2006 MDMOUNT			
Pore size: Effective Filter Area:	0.45 1297				Accelera	ope Nun tina Vol			2 100 K	v	
Sample type:	Dust					dicated	-	25 KX 20 KX			
Analysis type:	Dust					Screen	_				
Grid Acceptance	YES 20 %				(746 - 200)	Grid	box:		7181		
Str < 5um: 57 Str ≥5um: 16 Total Str: 73	Number of openings: 10 Str / sqr ft				3: <u>94</u> 4: <u>94</u>	Average Grid Size: 0.008836 Total Area Analyzed: 0.088					
Volume Filtered 0.01 ml				9.955E+10	Ö	Str / cm2 1.072E+ Str / cm2 >=5 2.349E+			-08		
Dilution Factor 10000				2.182E+1(o s				>=5 2.349E+07		
			AT HEROMAN SON AND AND AND AND AND AND AND AND AND AN								
Str#: SquareID: Type:	Structure:	Length	Width	Morph:	\$AED:	EDS:	Photo:	Sketch:			
1 A4-C3 C	В	0.60	0.05	X	х	✓	П				
2 C	В	4,20	0.08	x	M25825	V 1		لسا			
	_		*		1.3,2020	✓					
3 C	В	8.00	0.10	x	x	V					
4 C	F	2.10	0.05	x	X						
5 C	F	1.00	0.05	x	x	V					
						Ž		\Box			
6 C	M-F	11.00	0.05	х	Х	✓					
7 C	F	1.20	0.03	x	x		Anction	;			
						~					
8 C	В	1.00	0.03	x	x	V					
9 C	В	1.20	0.18	x	X	Z					
10 B6 C	F	3.80	0.05	x	х	· E	31	1 mg			
11 C	F	0.70	0.05	x		Y					
								П			
12 C	F	0.80	0.03	X			П				
13 C	F	1.20	0.03	x			1				

C - Chrysotile

NSD - No Structure Detected

TR - Tremolite

F - Fiber

CR - Crocidolite

B - Bundle M - Matrix

AN - Anthophyllite AC - Actinolite

Str#:	SquareID:	Туре:	Structure:	Length	Width	Morph:	SAED:	EDS:	Photo:	Sketch:
14		С	F	4.09	0.02	X				
15	G 7	C	В	0.60	0.05	X				
16		C	M-F	1.60	0.02	x				
17		С	F	1.50	0.02	x				
18		С	M-F	0.60	0.02	x				
19		c	В	1.30	0.10	x				
20		С	M-F	1.00	0.03	X	X	Y		
21		C	F	2.20	0.05	x				
22		c	М-В	2.20	0.05	X				
23	G4	c	F	11.00	0.05	x				
24		c	F	10.50	0.08	x				
24		С	F	2.40	0.08	x		П		
25		c	F	1.30	0.05	x				
26		С	F	1.00	0.05	x		<u> </u>		
27		C	F	1.90	0.08	X				
28		C	M-F	4.00	0.02	x		П		
29		С	C-F	0.80	0.02	x				
30	E2	С	F	10.50	0.02	x	x			
31		С	F	11.00	0.03	х		V		
32		C	M-F	1.20	0.03	х				
									П	[7]
33		С	В	13.00	0.49	х		O	;	
34		C	M-F	4.20	0.03	X		г ,		
			-							

C - Chrysotile

NSD - No Structure Detected

TR - Tremolite

CR - Crocidolite

F - Fiber B - Bundle

AN - Anthophyllite

M - Matrix

AC - Actinolite

Str#:	SquareID:	Туре:	Structure:	Length	Width	Morph:	SAED:	EDS:	Photo:	Sketch:
35		С	F	1.00	0.03	Х				
36		C	F	5.80	0.03	x				
37		c	F	0.90	0.03	x				
38		С	F	2.20	80.0	X				
39	B4-D3	C	F	10.00	0.08	X				
40		С	M-F	1.60	0.03	x	x			
41		С	M-F	1.20	0.05	x		Z		
40		^	-	*400	0.0-					
42		С	F	24.00	0.05	· X				
43		C	F	2.60	0.05	X				
44		c	В	1.20	0.10	x				
45		С	F	1.30	0.03	х				
46	D 7	С	F	2.60	0.02	x				·
İ	Σ,									
47		С	F	13.00	0.10	х				
48		c	NSD	8.00	0.08	x			П	
49		С		4.00	0.15	X				
50		С	M-F	4.00	0.05	x	x			
!								V	П	, in
51		С	F	2.00	0.02	x				
52		С	M-F	1.80	0.02	X				
53		C	C-F	20.00	0.05	x				
54		c	M-F	17.00	0.05	x				
								П		
55		C	M-F	1.60	0.03	х				
56		C	F	6.80	0.05	х			n	
i								السية	1 3	المسار المسار

C - Chrysotile

NSD - No Structure Detected

TR - Tremolite

F - Fiber

CR - Crocidolite

B - Bundle

AN - Anthophyllite

M - Matrix

AC - Actinolite

	Str#:	SquareID:	Туре:	Structure:	Length	Width	Morph:	SAED:	EDS:	Photo:	Sketch:	
	57		С	F	2.00	0.03	X					
	58	G 7	С	F	4.40	0.03	х					
	59		c	C-F	3.40	0.03	X					
	60		С	м-в	4.80	0.15	x	x				
	61	F4	c	w.c	1.20				V			
		r4		M-F	1.30	0.03	X		Ш			
	62		С	В	1.00	0.10	X					
	63		С	F	2.00	0.10	x					
	64		С	M-B	2.60	0.10	x					
	65		С	F	2.40	0.02	x					
	66	E2	С	F	2.60	0.08						
.		EZ					х					
	67		С	M-F	20.00	0.02	х					
	68		С	F	3.00	0.03	x					
	69		С	F	1.20	0.05	x					
	70		С	В	1.00	0.15	x	x				
	71		С	F	1.00	0.03	x		Z			
									. []	<u> </u>		
	72		C	F	0.60	0.03	X		П			
										M4063		

C - Chrysotile

NSD - No Structure Detected

TR - Tremolite

F - Fiber CR - Crocidolite

B - Bundle

AN - Anthophyllite

M - Matrix

AC - Actinolite

